

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/528,845
Source: PCU/10
Date Processed by STIC: 4/4/05

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05): U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05



PCT

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/528,845

DATE: 04/04/2005
TIME: 11:02:42

Input Set : A:\0185660SeqList.txt
Output Set: N:\CRF4\04042005\J528845.raw

3 <110> APPLICANT: DSM IP ASSETS B.V.
5 <120> TITLE OF INVENTION: A gene encoding vitamin B6 phosphate phosphatase and use
thereof
7 <130> FILE REFERENCE: NDR5234
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/528,845
C--> 10 <141> CURRENT FILING DATE: 2005-03-23
12 <150> PRIOR APPLICATION NUMBER: EP 02021622.2
13 <151> PRIOR FILING DATE: 2002-09-27
15 <160> NUMBER OF SEQ ID NOS: 12
17 <170> SOFTWARE: PatentIn version 3.2
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 20
21 <212> TYPE: PRT
22 <213> ORGANISM: Sinorhizobium meliloti
24 <400> SEQUENCE: 1
26 Ala His Ala Ile Asp Tyr Ser Val Val Pro Ala Asp Pro Ala Leu Gly
27 1 5 10 15
30 Glu Ala Ile Lys
31 20
34 <210> SEQ ID NO: 2
35 <211> LENGTH: 14
36 <212> TYPE: PRT
37 <213> ORGANISM: Sinorhizobium meliloti
39 <400> SEQUENCE: 2
41 Ile Asp Thr Ala Asn Ala Val Met Phe Glu Asp Leu Pro Arg
42 1 5 10
45 <210> SEQ ID NO: 3
46 <211> LENGTH: 23
47 <212> TYPE: PRT
48 <213> ORGANISM: Sinorhizobium meliloti
50 <400> SEQUENCE: 3
52 Asp His Gly Thr Thr Leu Gln Gly Leu Met Leu His His Gly Ile Asp
53 1 5 10 15
56 Pro Asn Asp Phe Leu Glu Arg
57 20
60 <210> SEQ ID NO: 4
61 <211> LENGTH: 10
62 <212> TYPE: PRT
63 <213> ORGANISM: Sinorhizobium meliloti
65 <400> SEQUENCE: 4
67 Met Lys Lys Leu Asp Arg Met Pro Thr His
68 1 5 10
71 <210> SEQ ID NO: 5
72 <211> LENGTH: 21

Does Not Comply
Corrected Diskette Needed

P. 2

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/528,845

DATE: 04/04/2005
TIME: 11:02:42

Input Set : A:\0185660SeqList.txt
Output Set: N:\CRF4\04042005\J528845.raw

73 <212> TYPE: DNA
74 <213> ORGANISM: Artificial Sequence
76 <220> FEATURE:
77 <223> OTHER INFORMATION: Primer CN02
80 <220> FEATURE:
81 <221> NAME/KEY: modified_base
82 <222> LOCATION: (12)..(12)
83 <223> OTHER INFORMATION: *I* if "inosine" is intended, please use "n" and
85 <220> FEATURE:
86 <221> NAME/KEY: modified_base
87 <222> LOCATION: (18)..(18)
88 <223> OTHER INFORMATION: *I*
90 <400> SEQUENCE: 5
91 atgaaraary tagaymgaaat g
94 <210> SEQ ID NO: 6
95 <211> LENGTH: 20
96 <212> TYPE: DNA
97 <213> ORGANISM: Artificial Sequence
99 <220> FEATURE:
100 <223> OTHER INFORMATION: Primer C642
103 <220> FEATURE:
104 <221> NAME/KEY: misc_feature
105 <222> LOCATION: (12)..(12)
106 <223> OTHER INFORMATION: n is a, g, c or t
108 <220> FEATURE:
109 <221> NAME/KEY: misc_feature
110 <222> LOCATION: (15)..(15)
111 <223> OTHER INFORMATION: n is a, g, c or t
113 <400> SEQUENCE: 6
W--> 114 tcytcraaca tncangcrtt 20
117 <210> SEQ ID NO: 7
118 <211> LENGTH: 21
119 <212> TYPE: DNA
120 <213> ORGANISM: Artificial Sequence
122 <220> FEATURE:
123 <223> OTHER INFORMATION: Primer C101
125 <400> SEQUENCE: 7
126 gccgaattcg cccatgtcac c 21
129 <210> SEQ ID NO: 8
130 <211> LENGTH: 21
131 <212> TYPE: DNA
132 <213> ORGANISM: Artificial Sequence
134 <220> FEATURE:
135 <223> OTHER INFORMATION: Primer C102
137 <400> SEQUENCE: 8
138 cggccgtgtcg atgcgggtgaa g 21
141 <210> SEQ ID NO: 9
142 <211> LENGTH: 708
143 <212> TYPE: DNA

if "inosine" is intended, please use "n" and
explain in <220>..<223>
section. "a" can
only represent
itself.
21

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/528,845

DATE: 04/04/2005

TIME: 11:02:42

Input Set : A:\0185660SeqList.txt
 Output Set: N:\CRF4\04042005\J528845.raw

144 <213> ORGANISM: *Sinorhizobium meliloti*
 147 <220> FEATURE:
 148 <221> NAME/KEY: CDS
 149 <222> LOCATION: (1)..(708)
 151 <400> SEQUENCE: 9

152 atg aag aag ctc gac cgc atg ccg acc cac gcc gaa ttc	gcc cat gtc	48
153 Met Lys Lys Leu Asp Arg Met Pro Thr His Ala Glu Phe	Ala His Val	
154 1 5 10 15		
156 acc gac tgg gtc ttc gac ctc gac aac acg ctc tat ccg	cat cac gtc	96
157 Thr Asp Trp Val Phe Asp Leu Asp Asn Thr Leu Tyr Pro	His His Val	
158 20 25 30		
160 aat ctg ttc tca cag atc gac cgc aac atg acg gcc tat	gtt gcc gaa	144
161 Asn Leu Phe Ser Gln Ile Asp Arg Asn Met Thr Ala Tyr	Val Ala Glu	
162 35 40 45		
164 ctc ctg tcg ctg gag cct gcg gag gcg aag aag ctg cag	aag gaa tac	192
165 Leu Leu Ser Leu Glu Pro Ala Glu Ala Lys Lys Leu Gln	Lys Glu Tyr	
166 50 55 60		
168 tac cgc gac cac ggc acc acg ctt cag ggc ctg atg ctt	cat cac ggc	240
169 Tyr Arg Asp His Gly Thr Thr Leu Gln Gly Leu Met Leu	His His Gly	
170 65 70 75 80		
172 atc gat ccc aat gat ttc ctc gaa aga gcc cac gcc atc	gac tat agc	288
173 Ile Asp Pro Asn Asp Phe Leu Glu Arg Ala His Ala Ile	Asp Tyr Ser	
174 85 90 95		
176 gtg gtg ccg gcc gat ccg gcg ctc ggc gag gcg atc aag	gcg ctg ccc	336
177 Val Val Pro Ala Asp Pro Ala Leu Gly Glu Ala Ile Lys	Ala Leu Pro	
178 100 105 110		
180 gga cgc aag ttc atc ttc acc aac ggc agc gtc gcc cat	gcg gag atg	384
181 Gly Arg Lys Phe Ile Phe Thr Asn Gly Ser Val Ala His	Ala Glu Met	
182 115 120 125		
184 acc gcg ccg gcg ctc ggc att ctc gag cat ttc aac gac	atc ttc gac	432
185 Thr Ala Arg Ala Leu Gly Ile Leu Glu His Phe Asn Asp	Ile Phe Asp	
186 130 135 140		
188 atc gtc gcc gcc ttc ata ccg aag ccc gcc ggc gac acc	tac gac	480
189 Ile Val Ala Ala Gly Phe Ile Pro Lys Pro Ala Gly Asp	Thr Tyr Asp	
190 145 150 155 160		
192 aag ttc atg ggc ctt cac cgc atc gac acg gcg aat gag	gtg atg ttc	528
193 Lys Phe Met Gly Leu His Arg Ile Asp Thr Ala Asn Glu	Val Met Phe	
194 165 170 175		
196 gag gat ctg ccg cgc aac ctg gtc gtc cct aag gcg ctc	ggc atg aag	576
197 Glu Asp Leu Pro Arg Asn Leu Val Val Pro Lys Ala Leu	Gly Met Lys	
198 180 185 190		
200 acg gtg ctg ctc gtg ccg cgc aat ctc gaa tac gag ttc	gcc gag gcc	624
201 Thr Val Leu Leu Val Pro Arg Asn Leu Glu Tyr Glu Phe	Ala Glu Ala	
202 195 200 205		
204 tgg gaa acg tcg agc gac gcg gac gat cag atc gac tac	gtc acg gaa	672
205 Trp Glu Thr Ser Ser Asp Ala Asp Asp Gln Ile Asp Tyr	Val Thr Glu	
206 210 215 220		
208 gac ctg gcg ggt ttc ctg cgc agt gtg att gtt tag		708
209 Asp Leu Ala Gly Phe Leu Arg Ser Val Ile Val		

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/528,845

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Input Set : A:\0185660SeqList.txt
 Output Set: N:\CRF4\04042005\J528845.raw

210 225 230 235
 213 <210> SEQ ID NO: 10
 214 <211> LENGTH: 235
 215 <212> TYPE: PRT
 216 <213> ORGANISM: *Sinorhizobium meliloti*
 218 <400> SEQUENCE: 10
 220 Met Lys Leu Asp Arg Met Pro Thr His Ala Glu Phe Ala His Val
 221 1 5 10 15
 224 Thr Asp Trp Val Phe Asp Leu Asp Asn Thr Leu Tyr Pro His His Val
 225 20 25 30
 228 Asn Leu Phe Ser Gln Ile Asp Arg Asn Met Thr Ala Tyr Val Ala Glu
 229 35 40 45
 232 Leu Leu Ser Leu Glu Pro Ala Glu Ala Lys Lys Leu Gln Lys Glu Tyr
 233 50 55 60
 236 Tyr Arg Asp His Gly Thr Thr Leu Gln Gly Leu Met Leu His His Gly
 237 65 70 75 80
 240 Ile Asp Pro Asn Asp Phe Leu Glu Arg Ala His Ala Ile Asp Tyr Ser
 241 85 90 95
 244 Val Val Pro Ala Asp Pro Ala Leu Gly Glu Ala Ile Lys Ala Leu Pro
 245 100 105 110
 248 Gly Arg Lys Phe Ile Phe Thr Asn Gly Ser Val Ala His Ala Glu Met
 249 115 120 125
 252 Thr Ala Arg Ala Leu Gly Ile Leu Glu His Phe Asn Asp Ile Phe Asp
 253 130 135 140
 256 Ile Val Ala Ala Gly Phe Ile Pro Lys Pro Ala Gly Asp Thr Tyr Asp
 257 145 150 155 160
 260 Lys Phe Met Gly Leu His Arg Ile Asp Thr Ala Asn Glu Val Met Phe
 261 165 170 175
 264 Glu Asp Leu Pro Arg Asn Leu Val Val Pro Lys Ala Leu Gly Met Lys
 265 180 185 190
 268 Thr Val Leu Leu Val Pro Arg Asn Leu Glu Tyr Glu Phe Ala Glu Ala
 269 195 200 205
 272 Trp Glu Thr Ser Ser Asp Ala Asp Asp Gln Ile Asp Tyr Val Thr Glu
 273 210 215 220
 276 Asp Leu Ala Gly Phe Leu Arg Ser Val Ile Val
 277 225 230 235
 280 <210> SEQ ID NO: 11
 281 <211> LENGTH: 32
 282 <212> TYPE: DNA
 283 <213> ORGANISM: Artificial Sequence
 285 <220> FEATURE:
 286 <223> OTHER INFORMATION: Primer P101
 288 <400> SEQUENCE: 11
 289 gaagcttccc gggccgtgtc ataaacccgc cc 32
 292 <210> SEQ ID NO: 12
 293 <211> LENGTH: 32
 294 <212> TYPE: DNA
 295 <213> ORGANISM: Artificial Sequence
 297 <220> FEATURE:

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PATENT APPLICATION: US/10/528,845

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TIME: 11:02:42

Input Set : A:\0185660SeqList.txt
Output Set: N:\CRF4\04042005\J528845.raw

298 <223> OTHER INFORMATION: Primer P102

300 <400> SEQUENCE: 12

301 caagcttccc gggatcatcg ccgggtttta cg

32

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/528,845

DATE: 04/04/2005
TIME: 11:02:43

Input Set : A:\0185660SeqList.txt
Output Set: N:\CRF4\04042005\J528845.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:6; N Pos. 12, 15

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/528,845

DATE: 04/04/2005

TIME: 11:02:43

Input Set : A:\0185660SeqList.txt

Output Set: N:\CRF4\04042005\J528845.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application Number

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:114 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0